

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 2382' FWL, 1161' FSL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 35 miles Northwest of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1161' ✓

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5767' G.L. 5778' K.B.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8" new	K-55 36#	80'	125 sacks
8 3/4"	7" new	K-55 20#	840'	150 sacks
6 1/4"	4 1/2" new	K-55 10.5#	5128'	250 sacks

- Surface formation is the Mesaverde. Frontier-4098'. Dakota-4478'. Morrison-4658'.
- No water, oil or other minerals are anticipated. Gas is expected to be encountered at top of the Dakota and in the Morrison.
- A double hydraulic BOP will be used and tested to 1000 psi for 15 minutes. Rams will be closed daily.
- Water and gel type mud will be used to drill to 90'. Air & mist drilling from 90' to T.D.
- IES and FDC-CNL logs will be run at total depth. All potential zones will be analyzed and if potentially commercial, 4 1/2" casing will be set, cemented and perforated.
- No drill stem tests or cores are planned.
- Commencement date will be approximately November 1, 1978, and completion of drilling will be approximately 10 days from commencement date.
- The gas is not dedicated.
- Survey plat enclosed.
- (** See attached sheet for additional information.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. G. Routson TITLE Petroleum Engineer DATE August 22, 1978
(This space for Federal or State office use)

PERMIT NO. 30462 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.

USA U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal ✓

9. WELL NO.

6-14 ✓

10. FIELD AND POOL, OR WILDCAT

San Arroyo ✓

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

6-T17S-R25E ✓

12. COUNTY OR PARISH

Grand

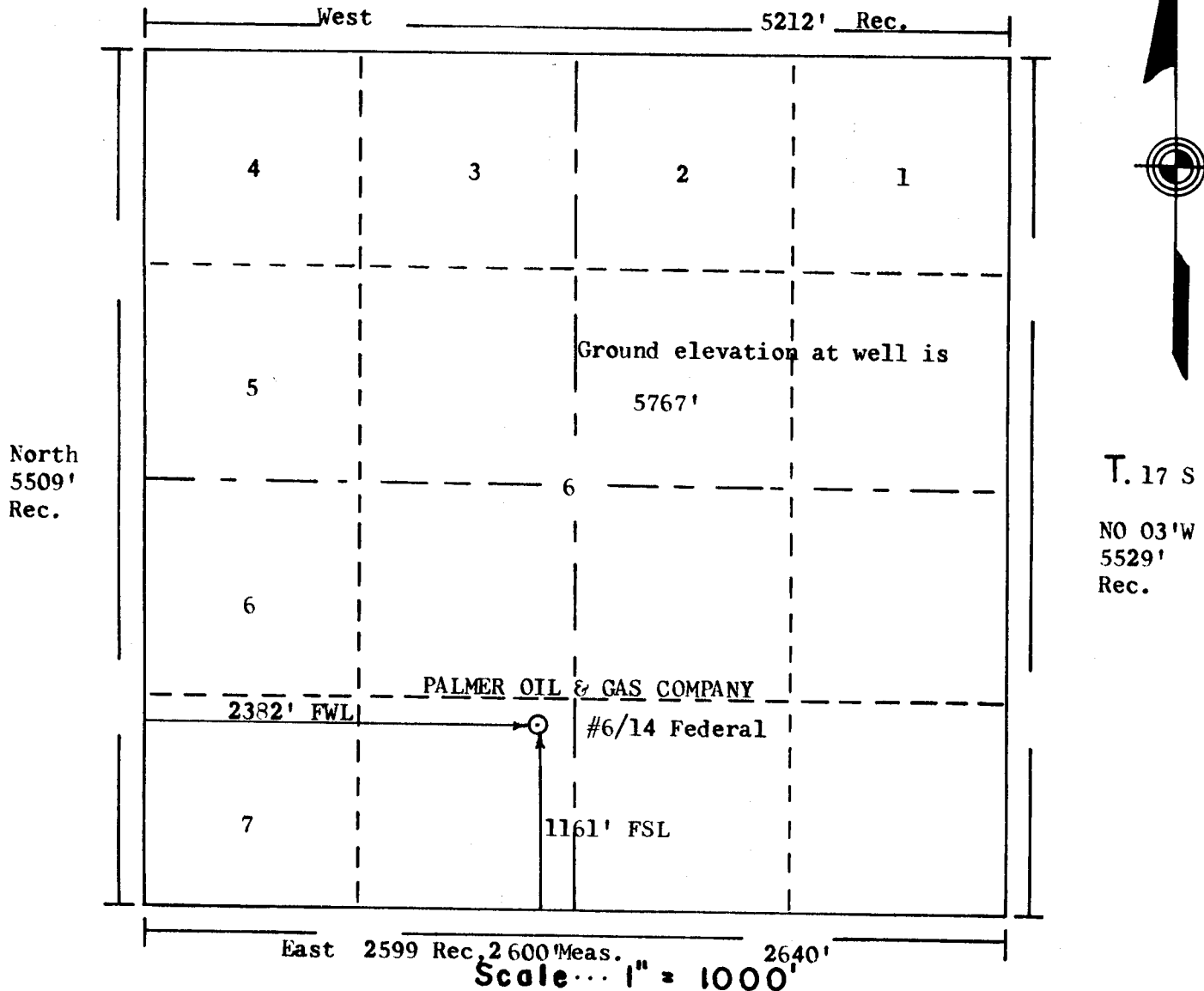
13. STATE

Utah

*See Instructions On Reverse Side



R. 25 E

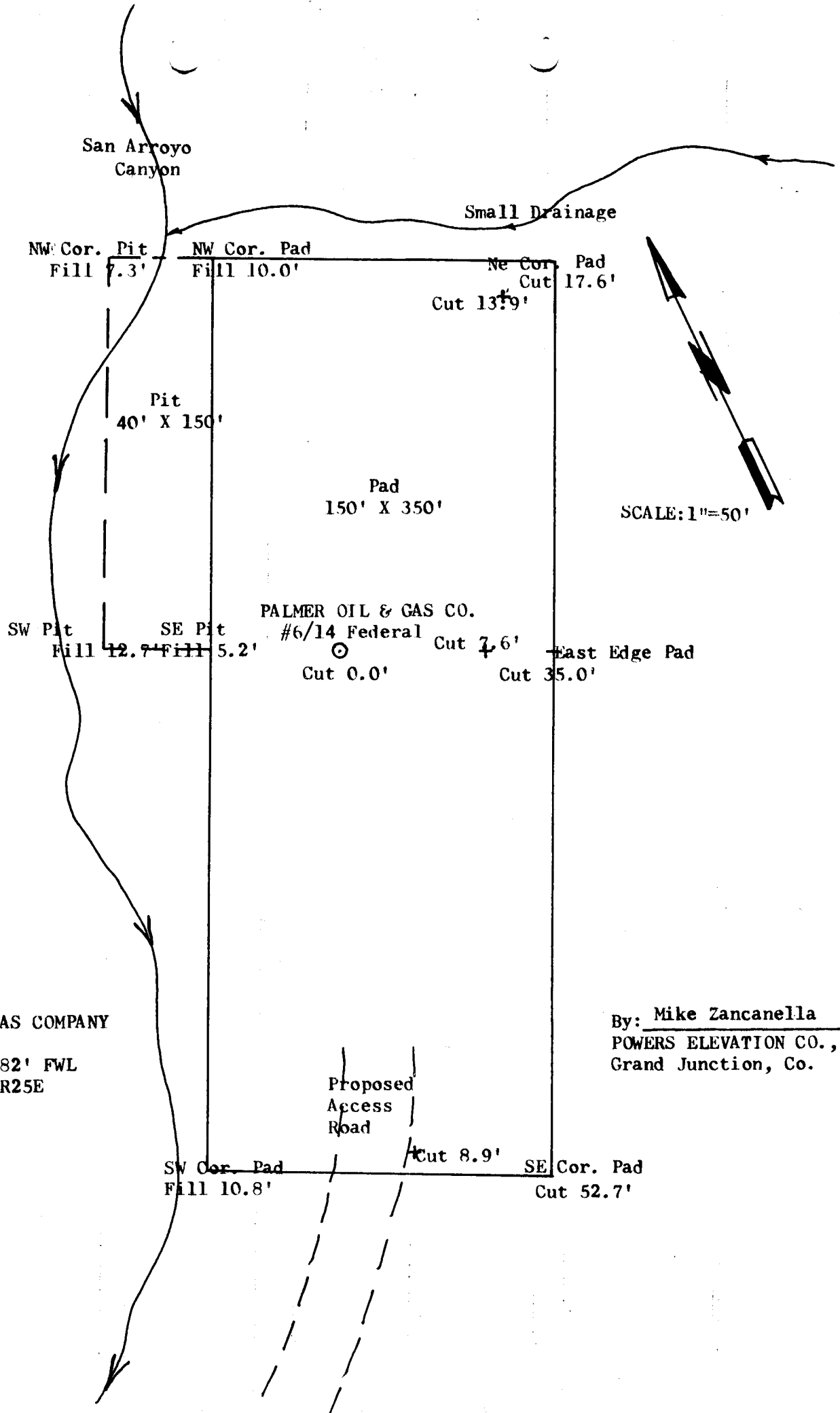


Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from Jim Routson
for PALMER OIL & GAS COMPANY
determined the location of #6/14 Federal
to be 1161' FSL & 2382' FWL
Range 25 E of the Salt Lake Base and Meridian, Utah
Grand County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#6/14 Federal

Date: 7/17/78

T. Nelson
Licensed Land Surveyor No. LS 2711
State of Utah



PALMER OIL & GAS COMPANY
#6/14 Federal
1161' FSL & 2382' FWL
Sec. 6, T17S, R25E
Grand, Utah
7/17/78

By: Mike Zancanella
POWERS ELEVATION CO., INC.
Grand Junction, Co.

ADDITIONAL INFORMATION
UNDER
NTL-6 REQUIREMENTS

Item No.

4. Approximately 200 barrels of gel type mud will be used to drill to 90'
No weighting materials will be maintained.
6. We will complete the well in the zones in which the presence of hydrocarbons are found. Potential producing zones ascertained from the drilling of the well will be perforated through 4½" casing and, if necessary to increase productivity, acidized with diluted hydrochloric acid. If necessary, a fracturing treatment will be used utilizing nitrogen, sand and potassium chloride water. All operations will be done in a safe manner in accordance with OSHA standards.
A wellsite sketch on a "Sundry Notice" Form 9-331 will be provided after the fracture treatment has been designed, which can not be done until the well has been drilled and cased and the amount of fracture treatment determined. No flammable fluids will be used.

TRUE POINT PLAN OF DEVELOPMENT

For Surface Use for Palmer Oil & Gas Federal 3-15
Section 3-T17S-R24E
Grand Co., Utah

1. Existing road including location of exit from the main highway.
Location is approximately 20 miles North of US 6 and 50 on the East Canyon Road.
2. Planned access road.
See Map No. 1.
3. Location of existing wells.
See Map No. 2.
4. Location of tank batteries, production facilities and production gathering and service lines - see Plat No. 3 attached.
 - 1) The existing drillsite pad will be used.
 - 2) A gas separator with dimensions of 3' x 8' to be set within 100' of the well bore, if well produces any fluids and a dehydrator will possibly be used.
 - 3) Gas separator unit will be set on 3" x 12" x 5' timbers with gravel underlay.
 - 4) Gas separator will be a compact unit totally enclosed in a metal house.See 10. for rehabilitation of disturbed areas no longer needed for operations after construction is completed.
5. Location and type of water supply.
Grand Valley Water Users and hauled from a ditch near Mack, Colorado, or from West Salt Creek drain ditch near Mack, Colorado.
6. Source of construction materials.
No construction materials will be needed for the access road.
7. Methods for handling waste disposal.
 - 1) Cuttings will be buried 3' under top soil.
 - 2) Drilling fluids will be left in open pit to evaporate.
 - 3) Produced oil or condensate (if any) will be stored in a tank and sold.
Produced water will be disposed of in compliance with rules and regulations of the USGS and the State of Utah.
 - 4) Portable toilet to be provided.
 - 5) Trash will be burned in burn pit.
 - 6) Drilling fluid in pit, which will be very minimal due to air drilling, will be left to dry, if necessary. After pit area is sufficiently dry, cuttings will be pushed into pit and sub-soil to be placed on top of any remaining fluid and cuttings; then top soil will be used to cover both pit and location area.
8. Ancillary facilities.
No camps or airstrips will be used.

9. Wellsite layout.

See Plat No. 1 of rig layout and Plat No. 2 of necessary cut to build location.

10. Plans for restoration of the surface.

On completion of the drilling of this well, all pits will be backfilled and top soil replaced and re-contoured back to original terrain. Upon abandonment all disturbed areas, including the location and access road, will be recontoured, ripped or scarified as needed, and revegetated using the following seed formula.

Indian Ricegrass	1 lb/acre
Crested Wheatgrass	1 lb/acre
Sand Drop Seed	1 lb/acre
Globe Mallow	1 lb/acre
Wild Sunflower	1 lb/acre
Four Wing Saltbush	1 lb/acre
Shadscale	1 lb/acre
Winterfat	1 lb/acre

All seeding will be done between September 15 - November 15.

11. Other information.

- 1) Topography - valleys and mesas.
- 2) Vegetation - grassland with greasewood and sagebrush. Land is used for grazing. There are no reservoirs on the lease. An archeological survey will be done by the Powers Elevation Company of Grand Junction, Colorado on this 40 acre tract.
- 3) Surface ownership of involved lands is federal.

12. Lessee's or operators representative:

J. G. Routson
P. O. Box 2564
Billings, Montana 59103

Office Phone (406) 248-3151
Home Phone (406) 245-8797

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein is being contracted for at this time. The contractor and sub-contractors will conform with this plan and the terms and conditions under which it is proposed.

Date:


J. G. Routson

WELL CONTROL PLAN

1. Surface Casing: 9-5/8" O.D. 36#/ft., Grade K-55, Short T&C, set at 80' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.
2. Casinghead Flange: 9-5/8" x 10-3/4" top 1500 psig W.P. Larkin (or equivalent) casinghead with two 2" 1500 psi L.P. outlets.
3. Intermediate Casing: 7" O.D. 20#/ft., Grade K-55, Short T&C, set at 865', cemented with pump and plug method using 150 sacks or more. At least 12 hours WOC time will be required before drilling the plug.
4. Blowout Preventor: A 10" 3000 psig W.P. Double gate hydraulic Shaffer BOP (or equivalent) with drill; pipe rams and blind rams. All fill, kill and choke lines will be minimum of 2" 2000 psi W.P.
5. Auxillary equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) Visual monitoring of air returns will be maintained.
6. Anticipated bottom hole pressure is less than 1000 psi at 5235' or a gradient of .191 psi/ft. or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

PALMER OIL & GAS COMPANY

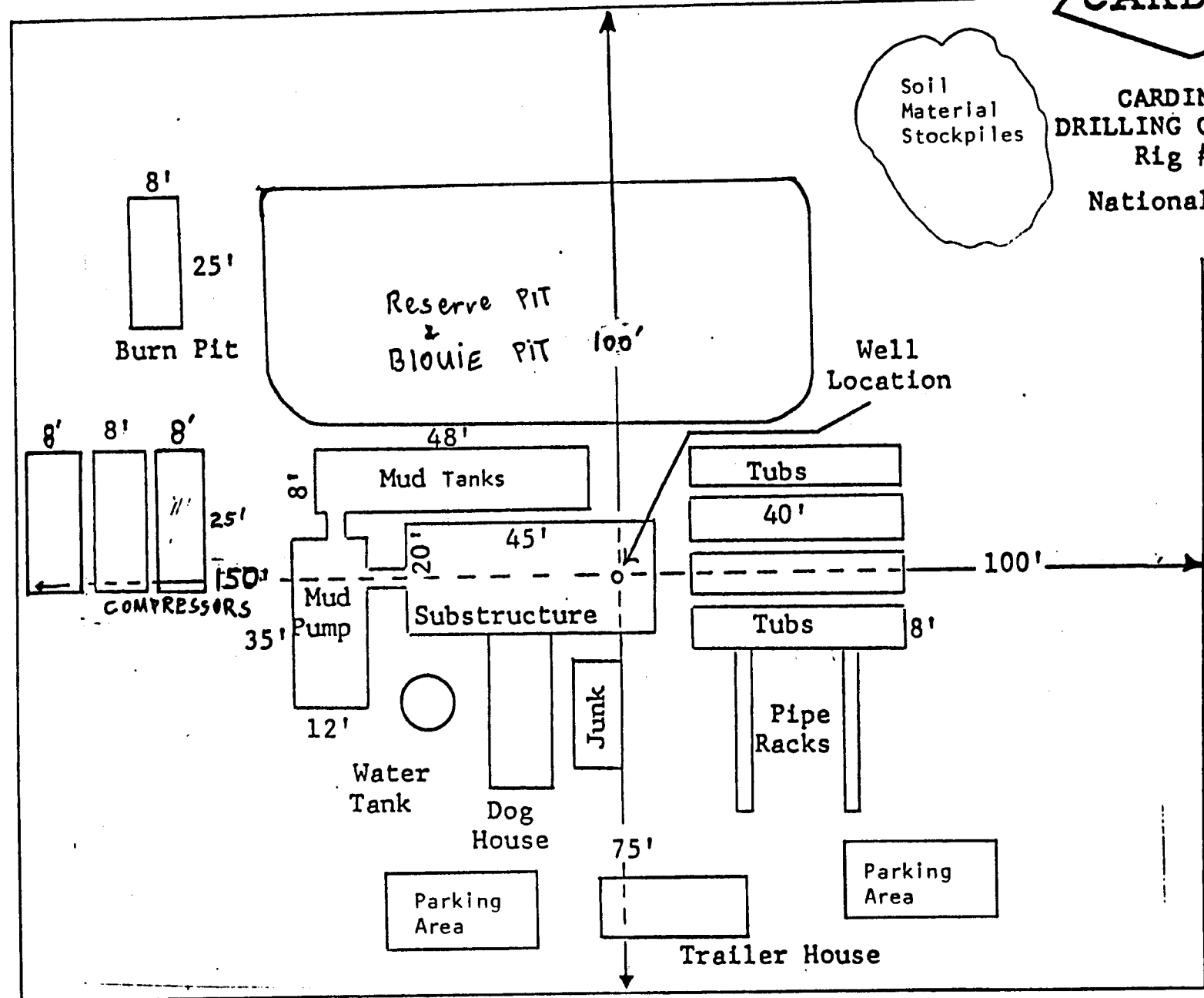
J. G. Routson
J. G. Routson



North



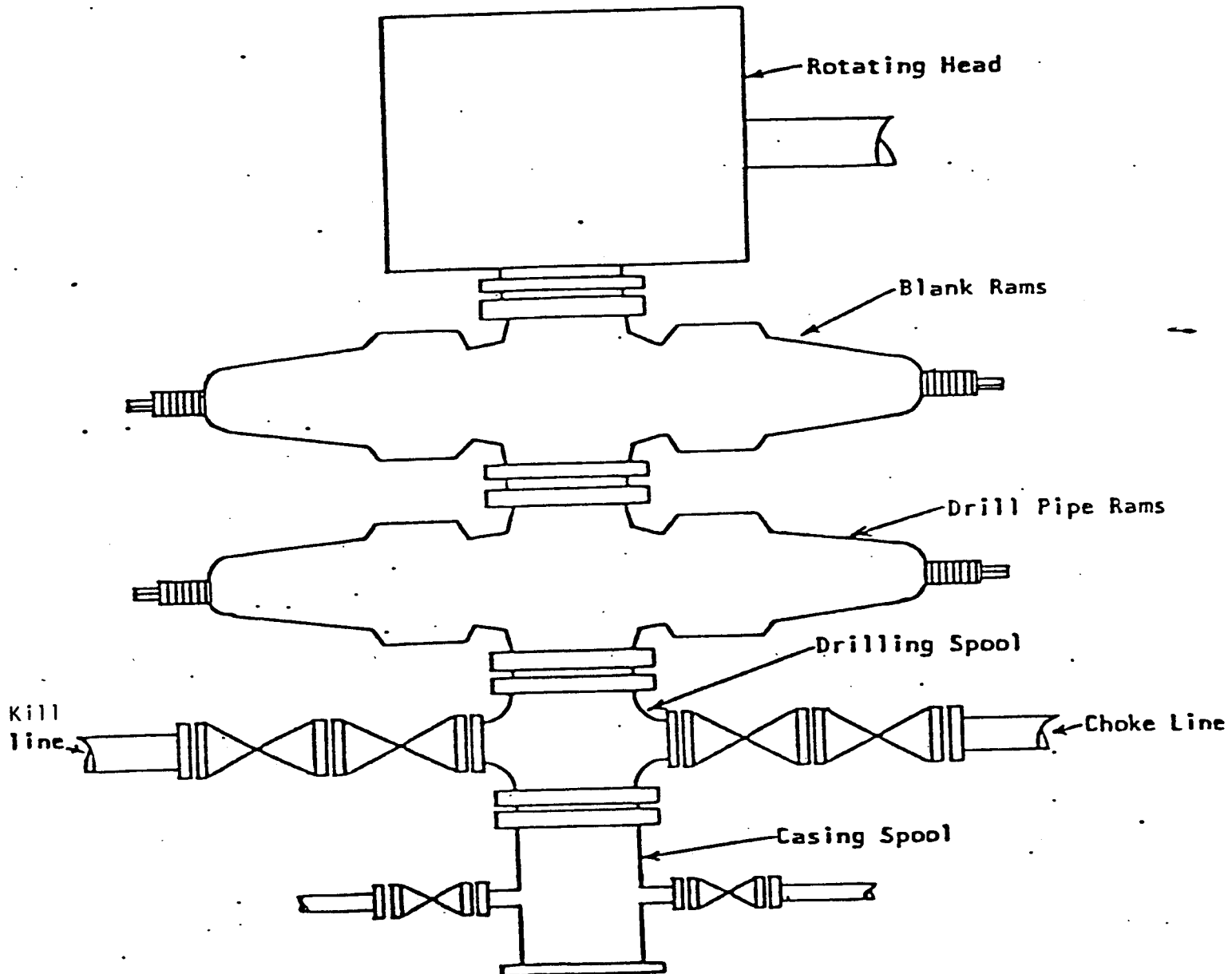
CARDINAL
DRILLING COMPANY
Rig #4
National T-32

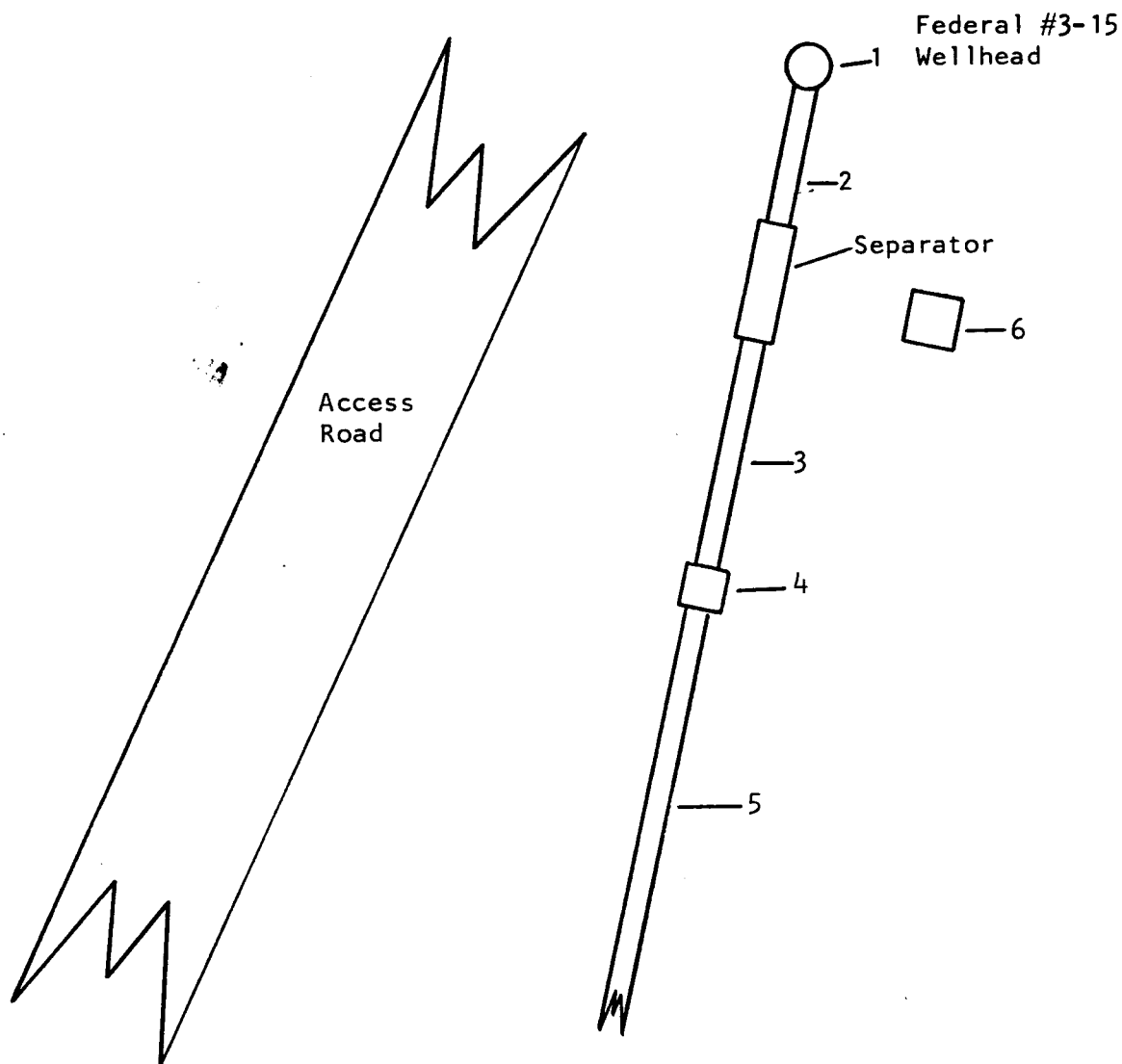


AIR DRILLED WELLS
using

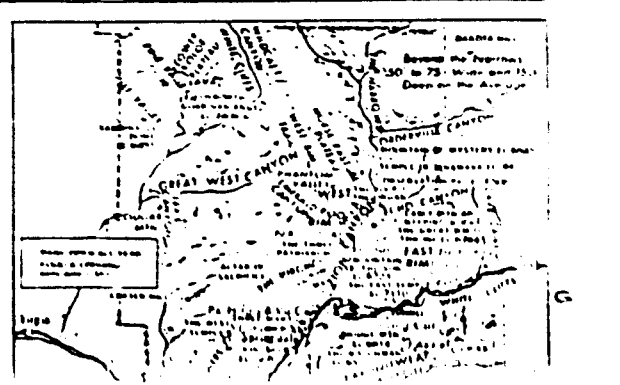
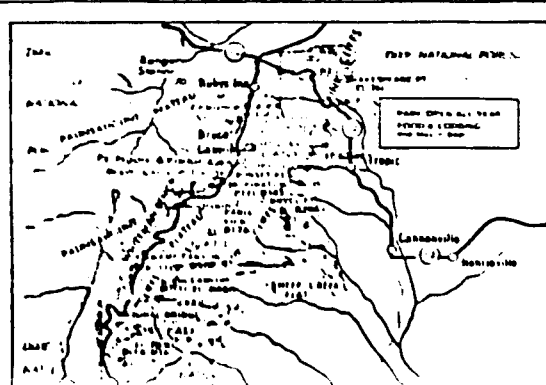
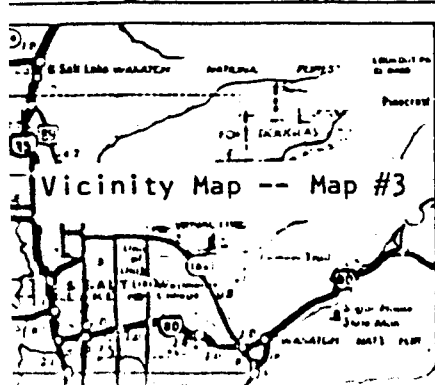
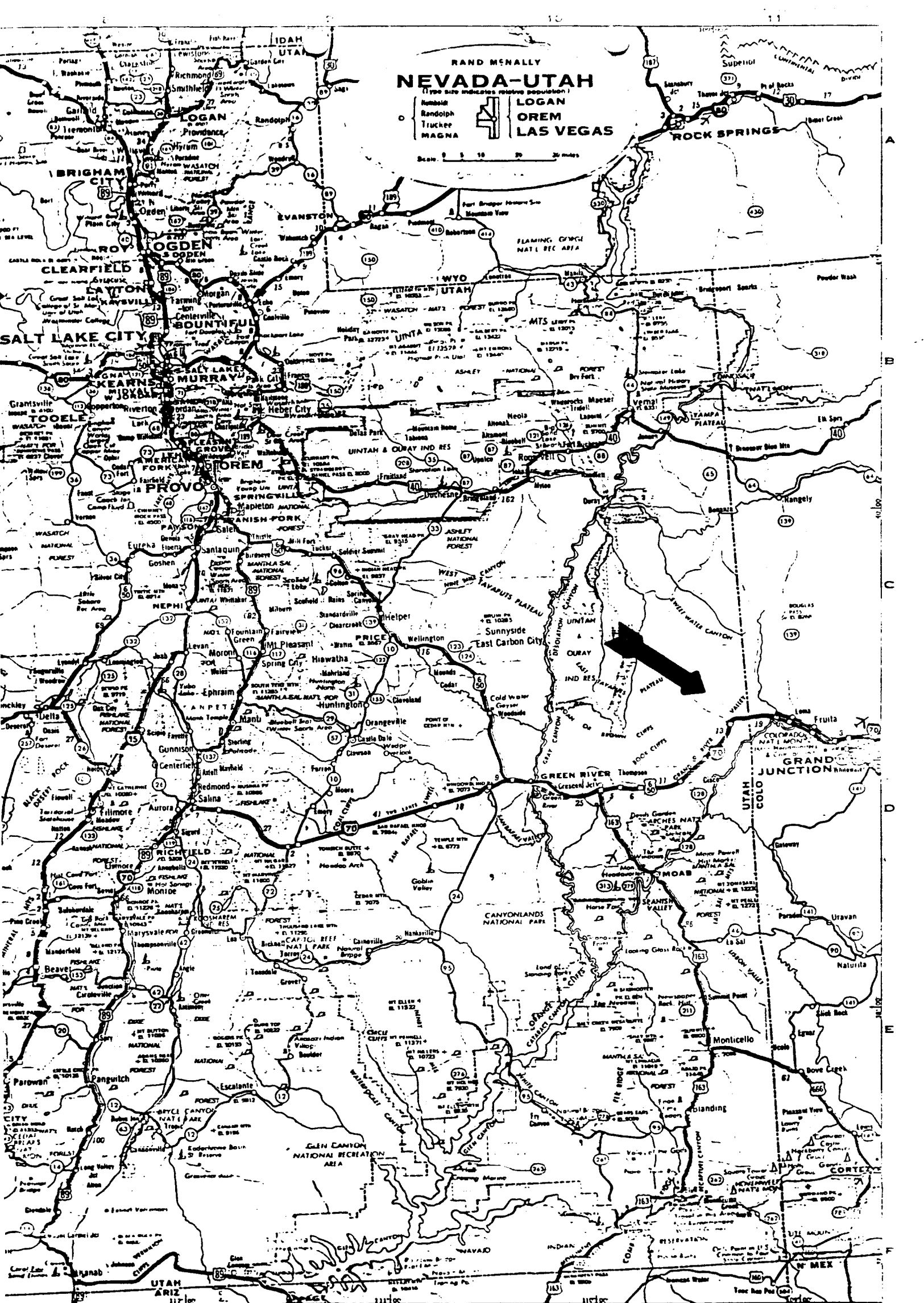
900 series well head equipment

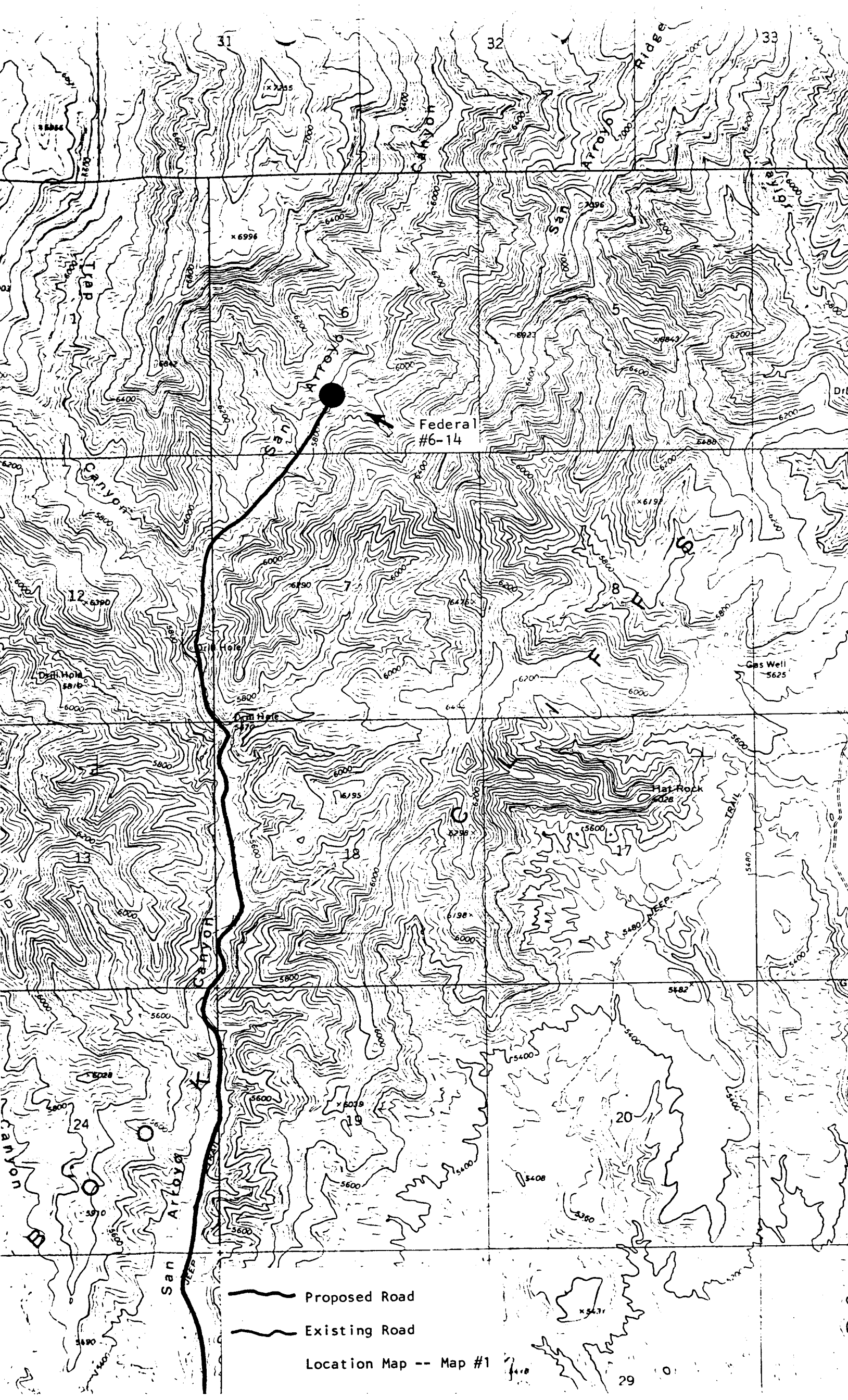
Interval from 500 to TD





1. Wellhead will be 4-1/2" x 2-3/8" flange x screw with donut hanger full opening valve. All 2000# WP or greater to meet PO&GC specifications.
2. Line between wellhead and separator will be approx. 75 feet in length and constructed of 2-3/8" .218 wall seamless, welded, wrapped and buried approx. 5 feet deep.
3. Line between separator and meter will be 4" or 4.028 OD seamless, welded, coated, wrapped and buried and will be approx. 25 feet in length.
4. Meter run will be American 4" fun, 500 psi static rating, 100" of water differential rating.
5. Line between meter run and Mesa Gas gathering line will be 3" seamless, welded pipe and will be approx. 50 feet in length.
6. Pit, if necessary will be 10' x 10', enclosed by dikes and fenced.



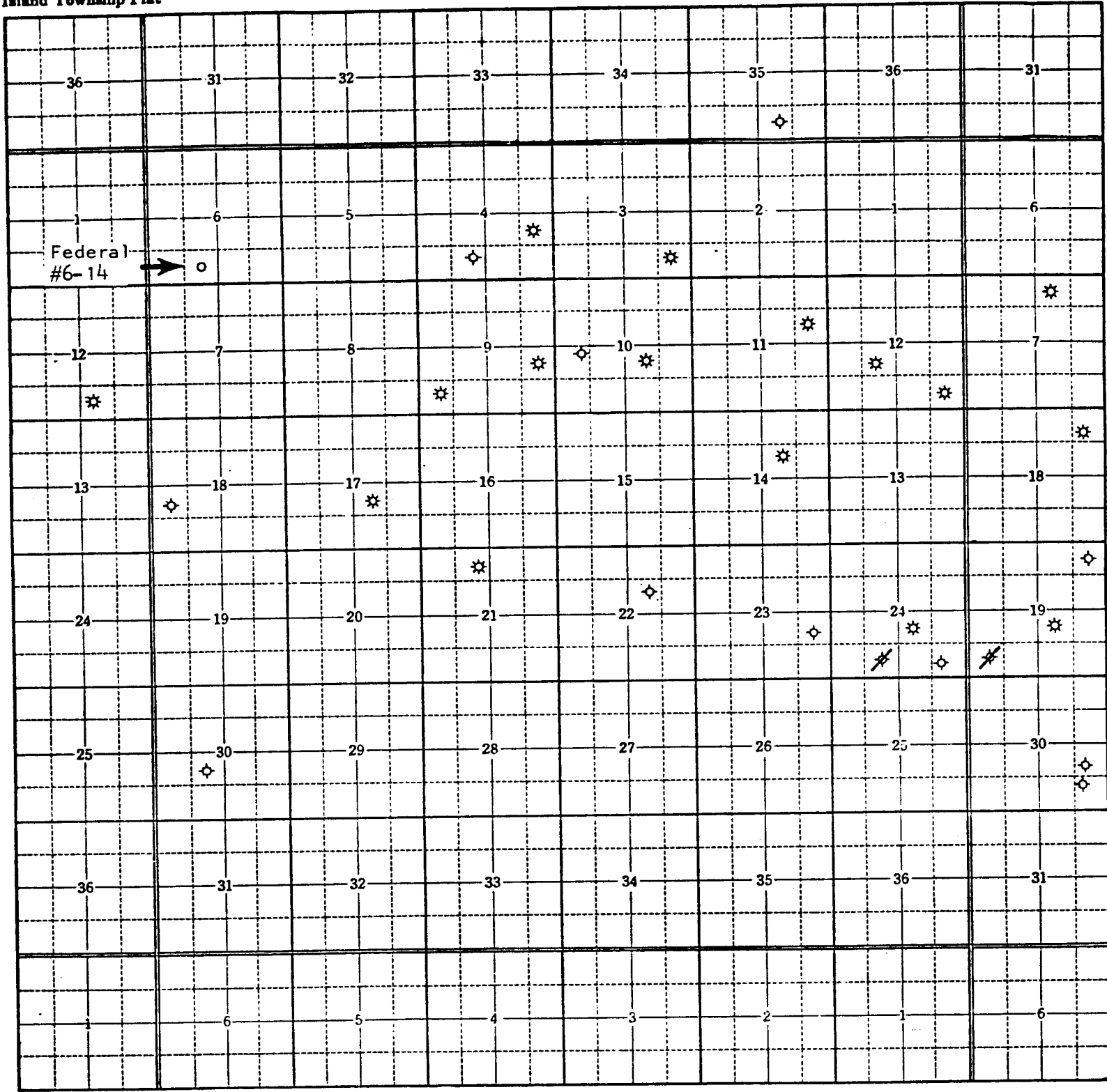


Proposed Road
Existing Road

Location Map -- Map #1

Township 17S, Range 25E, County Grand, State Utah

Island Township Plat



Map #2 -- Federal #6-14

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3. ADDRESS OF OPERATOR
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At proposed prod. zone 9/5

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24. SIGNED J. G. Routson TITLE Petroleum Engineer DATE August 22, 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY H. B. Hamer TITLE ENGINEER DATE NOV 20 1978
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NECESSARY FLARING OF GAS DURING
DRILLING AND COMPLETION APPROVED
SUBJECT TO REG. ALTY (NTL-4)

State of G

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U 38842

OPERATOR: Palmer Oil & Gas

WELL NO. 6-14

LOCATION: NE 1/4 SE 1/4 SW 1/4 sec. 6, T. 17S, R. 25E, SLM

Grand County, Utah

1. Stratigraphy: reasonable on APD form

2. Fresh Water: none expected below casing

3. Leasable Minerals: gas in Dakota, Cedar Mountain + Morrison

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: none known

6. References and Remarks: coal in Mesa Verde + Dakota not commercial,
USGS Bull 852

Signature: 

Date: 9-28-78

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-38842Operator Palmer Oil and GasWell No. 6-14 FederalLocation 2014 915
2382' FWL 1161' FSL (SE $\frac{1}{4}$ SW $\frac{1}{4}$) Sec. 6 T. 17S R. 25E SLMCounty Grand State Utah Field San ArroyoStatus: Surface Ownership Federal Minerals FederalJoint Field Inspection Date September 14, 1978

Participants and Organizations:

Gary StephensU.S. Geological SurveyRocky CurnuttBureau of Land ManagementBill BunigerPalmer Agent

Related Environmental Analyses and References:

(1) EA 1367-78

(2)

Analysis Prepared by:

Gary Stephens
Environmental Scientist
Albuquerque, New Mexico

Date September 15, 1978

Analysis Reviewed by:

Lynn Rust
Environmental Scientist
Casper, Wyoming

Noted
George Dimachale

Pad 125x200
Pit 35x100
1 1/4 mi new access
2.0 mi upgrade
Flow line not incl
3.3 ac
600 mowed
425' SW
New survey required

State O&G

Proposed Action:

On August 28, 1978, Palmer Oil and Gas Co. filed an Application for Permit to Drill the No. 6-14 Federal development well, a 5200-foot gas test of the Morrison Formation Triassic located at an elevation of 5767 ft. in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 6, T. 17 S., R. 25 E., Grand County, Utah, on Federal mineral lands and Federal surface; Lease No. U-38842. As an objection was raised to the wellsite, it was moved to 2014' FWL and 915' FSL. This did not change the $\frac{1}{4}$ coordinates. There was no objection raised to the access road which would begin from a nearby access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 125 ft. wide x 200 ft. long, and a reserve pit 100 ft. wide x 35 ft. long. A new access road will be constructed 18 ft. wide x 1 $\frac{1}{4}$ mi. long and upgrade 18 ft. wide x 2.0 mi. access road from an existing and improved road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date is November 1, 1978, and duration of drilling activities would be about 10 days.

Location and Natural Setting:

The proposed drillsite is approximately 35 mi. Northwest of Mack, Colorado, the nearest town. A poor road runs to within 1 $\frac{1}{4}$ mi. Southwest of the location. This well is in the San Arroyo field.

Topography:

Narrow canyon floors. Located near bottom of San Arroyo, 100' Northwest of a dry wash.

Geology:

The surface geology is Mesa verde. The soil is gravelly loam. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels which might permit exposed upper formations to blowout or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing, and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy loam to a gravelly soil. The soil is subject to runoff from rainfall and has a high runoff potential, and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon, juniper association is also present.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 3.3 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, and reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location, however, the existing air quality relative to Federal Ambient Air Quality Standards is believed to be good. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 11 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8 inches.

Winds are medium and gusty, occurring predominantly from South to North. Air mass inversions are rare.

The climate is semiarid with abundant sunshine, hot summers and cold winters, with temperature variations on a daily and seasonal basis.

Surface-Water Hydrology:

None, a nonperennial wash located 100' East.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface-water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground-Water Hydrology:

Some minor pollution of ground-water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh-water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Sagebrush; pinon-juniper. Sagebrush, juniper, shadscale, wheatgrass.

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about 3.3 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Deer; small mammal; birds.

Animal and plant inventory has been made by the Bureau of Land Management. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, foxes, skunks, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is not used by man. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If an historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location would be earthtoned to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County, Utah. But should this well discover a significant new hydrocarbon source, local, State, and possibly National economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

Livestock grazing; other, the area is only accessible on foot.

There are no National, State, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails, or other formally designated recreational facilities near the proposed location.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

(1) Not approving the proposed permit -- The oil and gas lease grants the Lessee exclusive right to drill for, mine, extract, remove, and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under the U.S. Geological Survey and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite access road or any special restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal, or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(3) The location was moved about 425' Southwest to avoid large sidehill cuts and natural drainage.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately ^{3.3}~~two~~ acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install

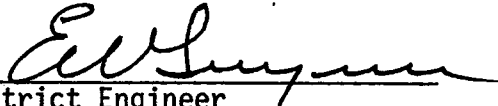
production pipelines. The potential for fires, leaks, spills of gas, oil, or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh-water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the river would exist through leaks and spills.

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2)(C).

Date

10/4/78


District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

SW SE Morrison
** FILE NOTATIONS **

Date: August 29, 1978

Operator: Palmer O. I. Co.

Well No: Federal 6-14

Location: Sec. 6 T. 17S R. 25E County: Grand

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number: 48-019-30462

CHECKED BY:

Administrative Assistant: [Signature]

Remarks: No other info - Sec. 6 -

Petroleum Engineer: OK Pat

Remarks:

Director: [Signature]

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required: ☐

Order No. _____

Surface Casing Change ☐
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☒

O.K. Rule C-3 ☒

O.K. In _____ Unit

Other:

☒ Letter Written/Approved



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

September 7, 1978

Palmer Oil and Gas Company
P.O. Box 2564
Billings, Montana 59103

Re: Well No's:
Federal 6-14,
Sec. 6, T. 17 S, R. 25 E,
Federal 3-15,
Sec. 3, T. 17 S, R. 24 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with Rule C-3(c) and Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are:

#6-14: 43-019-30462

#3-15: 43-019-30463,

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPI
(Other instructions
verse 100)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

COAL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

6-14

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE1SW1 Sec. 6-17S-25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1. OIL ☐ WELL GAS ☒ WELL OTHER

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2014' FWL, 915' FSL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5757' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Location moved due to topographic reasons.

New survey plat attached.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Sept. 25, 1978
BY: PH Amcull

18. I hereby certify that the foregoing is true and correct

SIGNED

Grace E. Brown
Grace E. Brown

TITLE Assistant Secretary

DATE 9/15/78

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

RECEIVED

SEP 18 1978

COLO. OIL & GAS CONS. CO.

SCALE: 1" = 50'

Base of steep cliff

SE Cor. Pit
Fill 9.0'

NE Cor. Pad
Cut 42.1'

Fill 7.3'
SE Cor. Pad

Cut 9.6'

Pit
65' X 100'

Main

Drainage

SW Cor. Pit
Fill 12.8'

Small Drainage

North Edge Pad
Cut 34.0'

90' North
Cut 7.7'

6/14 Fed. ④

NW Cor. Pit
Fill 2.8'

PALMER OIL & GAS COMPANY

Cut 0.0'

Pad
200' X 300'

Proposed

Access

+
Road

NW Cor. Pad
Cut 38.1'

Cut 11.4'

SW Cor. Pad
Fill 7.3'

PALMER OIL & GAS COMPANY
6/14 Federal
915' FSL & 2014' FWL
Sec. 6, T17S, R25E
Grand, Utah

BY: Mike Zancanella
POWERS ELEVATION COMPANY, INC.
Grand Junction, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R141.

5. LEASE DESIGNATION AND SERIAL NO.

USA U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

6-14

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 6-T17S-R25E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2014' FWL and 915' FSL

14. PERMIT NO.

API 43-019-30462

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5757' GL, 5768' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETION ☐ABANDON* ☐CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Casing program was approved as follows:

12-3/4" hole, 9-5/8" new K-55 36#, set to 80' and cement with 125 sacks.

8-3/4" hole, 7" new K-55 20#, set to 840' and cement with 150 sacks.

6-1/4" hole, 4-1/2" new K-55 10.50# set to 5128' and cement with 250 sacks.

Plan to change casing program and run casing as follows:

9" hole, 7" new K-55 20#, set to 700' and cement to surface with 200 sacks.

6-1/4" hole, 4-1/2" new K-55 10.50#, set to 5128' and cement with 250 sacks.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MININGDATE: 3-5-79BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED Robert D. BallantyneTITLE Drilling SuperintendentDATE 2/8/79Robert D. Ballantyne

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

MARCH 5, 1979

MEMO TO FILE

RE: PALMER OIL AND GAS COMPANY
WELL No. 6-14 FEDERAL
SEC. 6, T. 17 S, R. 25 E
GRAND COUNTY, UTAH

THE ABOVE WELL WAS SPUDDED ON MARCH 3, 1979 AT NOON. IT WAS DRILLED TO 60', AND HIT WATER AT 35-42' WHERE A 9 5/8" CONDUCTOR PIPE WAS RUN TO 35' KB.

IT WAS SHUT DOWN AT 6:00 P.M. ON MARCH 3, 1979 BECAUSE OF MUDDY ROADS. IT WILL BE FROM TWO TO THREE WEEKS.

CARDINAL DRILLING COMPANY IS THE DRILLING CONTRACTOR AND THEY ARE UTILIZING THEIR RIG #4.

CLEON B. FEIGHT
DIRECTOR

CBF/LW
CC: U.S. GEOLOGICAL SURVEY
STATE INDUSTRIAL COMMISSION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions
verse side)Form approved.
Budget Bureau No. 42-R144.
5. LEASE DESIGNATION AND SERIAL NO.

USA U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

6-14

10. FIELD AND POOL, OR WILDCAT

San Arroyo

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREASE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 6-17S-25E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)1. ☐ OIL
WELL ☐ GAS
WELL ☒ OTHER

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

2014' FWL and 915' FSL

14. PERMIT NO.

API 43-019-30462

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5757' GL, 5768' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Status Report ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.) *

Well spudded at 12:00 Noon on 3/2/79. Drilled to 60'. Hit water at 35-42'. Set
9-5/8" conductor pipe to 35' KB. Shut down at 6:00 PM on 3/2/79 - waiting on muddy
roads to dry up.

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert D. Ballantyne
Robert D. BallantyneTITLE Drilling SuperintendentDATE 3/5/79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen a well in a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR

Palmer Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2564, Billings, Montana 59103

4. LOCATION OF WELL (REPORT LOCATION OF WELL TO SECTION 17 below.) 2014' FWL and 915' FSL

AT SURFACE:

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐CHANGE ZONES ☐ABANDON* ☐

(other) Status Report

SUBSEQUENT REPORT OF:

☐☐☐☐☐☐☐☐☐

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ran 17 joints 7" 20# to 700' KB. Cemented with 175 sx RFC, 2% gilsolite.
Plug down at 7:45 PM on 4/18/79 - no returns. Cemented along outside with
80 sx regular, 3% cc. Plug down at 1:15 AM 4/19/79 - good returns.

Subsurface Safety Valve: Manu. and Type _____

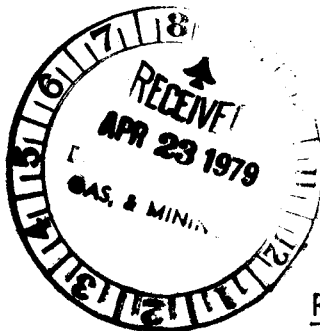
18. I hereby certify that the foregoing is true and correct

SIGNED Grace E. Brown TITLE Ass't Secretary DATE April 19, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FILE IN QUADRUPPLICATE
FORM OGC-8-X



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Federal No. 6-14

Operator: Palmer Oil & Gas Company Address: P. O. Box 2564, Billings, Montana

Contractor: Cardinal Drilling Company Address: P. O. Box 1077, Billings, Montana

Location SE 1/4 SW 1/4; Sec. 6 T. 17 ~~N~~_S R. 25 ~~E~~_W Grand County.

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From- To-	Flow Rate or Head	Fresh or Salty
1.	35' 42'	1/2" stream while drilling with air	Fresh
2.			
3.			
4.			
5.			

(Continue on Reverse Side if Necessary)

Formation Tops:

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) ~~Report~~ Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐ DIVISION OF GAS & MINING
2. NAME OF OPERATOR
Palmer Oil & Gas Company
3. ADDRESS OF OPERATOR
P. O. Box 2564, Billings, Montana 59103
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 2014' F WL and 915' FSL
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Status Report

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE

USA U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

6-14

10. FIELD OR WILDCAT NAME

San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SE1/4 Sec. 6-17S-25E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

14. API NO.

43-019-30462

15. ELEVATIONS (SHOW DF, KDB, AND WD)

5757' GL, 5768' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ran 126 joints 4 1/2" 10.5# new casing to 5073' KB. Cemented with 220 sx RFC. Plug down at 5:15 PM on 4/23/79.

Total Depth: 5080' Driller
5089' Logger

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Grace E. Brown TITLE Ass't Secretary DATE April 24, 1979
Grace E. Brown

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLI 5*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.

14

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Palmer Oil & Gas Company						3. ADDRESS OF OPERATOR P. O. Box 2564, Billings, Montana	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2014' FWL and 915' FSL At top prod. interval reported below same At total depth same						14. PERMIT NO. 43-019-30462	
						DATE ISSUED 9/7/78	
5. LEASE DESIGNATION AND SERIAL NO. USA-U-38842		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME		8. FARM OR LEASE NAME Federal	
9. WELL NO. 6-14		10. FIELD AND POOL, OR WILDCAT San Arroyo		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE1SW1 Sec. 6-17S-25E		12. COUNTY OR PARISH Grand	
				13. STATE Utah			
15. DATE SPUDDED 3/2/79		16. DATE T.D. REACHED 4/23/79		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5757' GL, 5768' KB	
20. TOTAL DEPTH, MD & TVD 5089'		21. PLUG, BACK T.D., MD & TVD 5049'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4353-4442 - Dakota		25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger FDC, IES, SNP, Taping		27. WAS WELL CORED no	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9-5/8"		36#		35' KB		12-1/4"	
7"		20#		700' KB		8-3/4"	
4-1/2"		10.5#		5073' KB		6-1/4"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2-3/8"		4476'		none			
Set retrievable bridge plug at 4500'							
31. PERFORATION RECORD (Interval, size and number)							
Salt Wash - 4913, 4915, 4917, 4924, 4927, 4933							
Morrison - 4727, 4729, 4730, 4731							
Dakota - 4353, 4361, 4369, 4401, 4407, 4414, 4419, 4434, 4440, and 4442							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
(acid job and frac on reverse side)							
33.* PRODUCTION							
DATE FIRST PRODUCTION Shut in		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing				WELL STATUS (Producing or shut-in) shut in	
DATE OF TEST 5/15/79		HOURS TESTED 2 hrs		CHOKE SIZE 1"		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. 32 psi		CASING PRESSURE		CALCULATED 24-HOUR RATE →		OIL—BBL. 994	
						GAS—MCF. 83	
						WATER—BBL.	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY J. G. Routson	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Robert D. Ballantyne		TITLE Drilling Superintendent				DATE 5/16/79	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Item 1: and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF. CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
4913-4731	Acidized w/500 gallons 15% MSR.		
	Frac w/76,000 gallons 75% quality foam, 20,000# 100 mesh sand, and 75,500# 20/40 sand. Total liquid load 499 bbls 5% HCL, total nitrogen 2,134,000 scf.		
4353-4442	Acidized with 500 gallons 15% MSR.		
	Frac'd with 85,000 gallons 75% quality foam, 20,000# 100 mesh sand, 80,000# 20/40 sand. Total liquid load 446 bbls 5% HCL. Total nitrogen 2,500,000 scf		
	(Retrievable bridge plug set at 4500')		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota silt	4270	
Dakota	4348	
Morrison	4508	
Salt Wash	4902	

Tenneco Oil
A Tenneco Company

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130

October 23, 1979



Mr. Cleon B. Feight
Utah Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84111

RE: Tenneco Well formerly operated
by Palmer Oil and Gas Company
Grand County, Utah

Gentlemen:

The following wells formerly operated by Palmer Oil and Gas Company will now be operated by Tenneco Oil Company. Please note that record title to several of these wells will be held by Energy Increments, Inc., and Pate Oil Company, however, Tenneco Oil Company will continue to operate the wells.

Grand County, Utah

Township 16 South, Range 24 East

Sec. 33: 33-14/ ~~Section 29: Federal 29-15~~

Sec. 35: 35-10/ Section 28: Federal 28-15

Township 16 South, Range 25 East

Section 13: Federal 13-9-SIGW

Section 17: Federal 17-9-SIGW

Section 14: Federal 14-2

Township 16 South, Range 26 East

Section 32: State 32-1-SIGW

State 32-11-SIGW

Section 33: Federal 33-13-SIGW

Section 16: State 16-4

Township 17 South, Range 24 East

-SIGW-Section 3: Federal 3-8/Section 5: Federal 5-13
SIGW-Federal 3-15/Section 14: Federal 14-4

Section 4: Federal 4-12

Township 17 South, Range 25 East

Section 6: Federal 6-7

Federal 6-14-SIGW

Section 7: Federal 7-4-SIGW

Section 29: Federal 29-1

Township 17 South, Range 26 East

Section 5: Federal 5-4-SIGW

Federal 5-9-SIGW

Section 8: Federal 8-5-SIGW

***SIGW=SHUT IN GAS WELL

REMAINING ARE DRILLING WELLS

***See instructions on Reverse Side**

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
93760016	FULLER USA #15-16	06	02	<u>3</u>	12/85	<u>0930</u>
93761014	FULLER USA #15-12	06	02	<u>3</u>	12/85	<u>1100</u>
92110010	FEDERAL #3-8 17S. 24E. 3	06	07	<u>7</u>	10/85	<u>0830</u>
92111016	FEDERAL #3-15 17S. 24E. 3	06	07	<u>7</u>	10/85	<u>0930</u>
92112012	FEDERAL #35-10 14S. 24E. 35	05	07	<u>7</u>	10/85	<u>1100</u>
92150011	FEDERAL #4-12 17S. 24E. 4	06	07	<u>8</u>	10/85	<u>0900</u>
92150013	WILSON USA #33-15 14S. 24E. 33	06	07	<u>8</u>	10/85	<u>1030</u>
92150014	BROWN USA #35-3 14S. 24E. 35	06	07	<u>8</u>	10/85	<u>1130</u>
92117014	FEDERAL #6-7 17S. 25E. 6	06	07	<u>6</u>	11/85	<u>0930</u>
92118010	FEDERAL #6-14 17S. 25E. 6	06	07	<u>6</u>	11/85	<u>0830</u>
92119017	FEDERAL #7-4 17S. 25E. 7 ✓	06	07	<u>4</u>	11/85	<u>1030</u>
92150012	DIETLER STATE #2-14 17S. 24E. 2	06	07	<u>7</u>	11/85	<u>0830</u>
92160017	STATE #36-14 14S. 24E. 34	06	07	<u>7</u>	11/85	<u>0930</u>
92180016	EDWARDS USA #12-9 17S. 24E. 12	06	07	<u>4</u>	11/85	<u>0930</u>
92180019	CALVINCO USA #31-12 16S. 25E. 31	06	07	<u>5</u>	11/85	<u>0830</u>
92190013	REINAUER #1-14 17S. 24E. 1	06	07	<u>5</u>	11/85	<u>0930</u>
92199010	REINAUER #1-5 17S. 24E. 1	06	07	<u>7</u>	11/85	<u>1030</u>
92231011	WINTER CAMP #7-14 17S. 25E. 7	06	07	<u>4</u>	11/85	<u>0830</u>

Tenneco Oil Company

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

RECEIVED

APR 27 1984



DIVISION OF OIL
GAS & MINING

Delivery Address:
6162 South Willow Drive
Englewood, Colorado

April 25, 1984

State of Utah
Department of Oil & Gas Conservation
4241 State Office Bldg.
Salt Lake City, UT 84114

Gentlemen:

Attached is a list of wells for which Tenneco Oil Company has been providing you with monthly state reports. Effective March 1, 1984, these wells were purchased by Quinoco Petroleum, Inc., 3801 East Florida Avenue, Suite 300, P. O. Box 10800, Denver, Colorado 80210. Quinoco will now be responsible for all state reporting on these wells beginning with March 1984 business.

Very truly yours,

TENNECO OIL COMPANY

Ursula C. Sulzbach
Ursula C. Sulzbach
Senior Revenue Analyst

UCS/wt
Attachment

69
TENNECO OIL COMPANY
Utah Wells Sold to Quinoco
Effective March 1, 1984

X T. 17S R 24E Sec 4 Federal 4-12
X T17S R 24E Sec. 14 Hogle USA 14-4
X T17S R24E Sec 3 Federal 3-8
X T17S R24E Sec 3 Federal 3-15
X T16S R24E Sec 35 Federal 35-10
X T17S R24E Sec 2 Dietler State 2-14
X T17S R24E Sec 2 Dietler State 2-7
X T16S R25E Sec 31 Calvinco USA 31-12
X T17S R24E Sec 1 Reinauer 1-5
X T17S R24E Sec 1 Reinauer 1-14
X T16S R24E Sec 36 Tenneco State 36-14
X T16S R24E Sec 36 Tenneco State 36-16
X T16S R 24E Sec 35 Brown USA 35-3
X T17S R24E Sec 12 Edward 12-2
X T17S R25E Sec 7 Winter Camp Unit 7-14
X T17S R24E Sec 11 Hogle 11-12
X T17S R25E Sec 6 Federal 6-7
X T17S R25E Sec 7 Federal 7-4
X T16S R25E Sec 17 Federal 17-9
X T16S R25E Sec 14 Federal 14-2
X T16S R26E Sec 16 State 16-4
X T16S R25E Sec 13 Carlson USA 13-4
X T17S R24E Sec 5 Federal 5-13
X T16S R24E Sec 33 Wilson USA 33-15
X T17S R25E Sec 6 Federal 6-14
X T16S R25E Sec 13 Federal 13-9
X T16S R26E Sec 33 Federal 33-13
T17S R26E Sec 5 Federal 5-4
X T16S R26E Sec 32 State 32-1
X T16S R26E Sec 32 State 32-11
X T17S R24E Sec 12 Tenneco USA 12-9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 06525
2. NAME OF OPERATOR Hallwood Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 378111 Denver, CO 80237		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE SW 1161' FSL & 2382' FWL		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-019-30462		9. WELL NO. 6-14
15. ELEVATIONS (Show whether OF, ST, OR, etc.)		10. FIELD AND POOL, OR WILDCAT San Arroyo
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 6-T17S-R25E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 8-1-90 Quinoco Petroleum, Inc. operator #N9477 has changed it's name to Hallwood Petroleum, Inc.

RECEIVED
FEB 22 1991

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Sr. Engineering Tech.

DATE 12-1-90

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

324 South State, Suite 301

Salt Lake City, Utah 84111-2303



IN REPLY REFER TO:

3100

U-38842

U-38838-A

U-38030

U-38033

U-05010

SL-071172

(U-942)

41374 (CR-176)

AUG 6 1991

Memorandum

To: Assistant District Manager, Mineral Resources, Moab

From: Chief, Minerals Adjudication Section

Subject: Leases Affected by Corporate Name Change

Your memorandum of July 25, 1991, called to the attention of this office other leases you feel are affected by our ~~July 13, 1991~~ decision recognizing the corporate name change of Quinoco Petroleum, Inc. to Hallwood Petroleum, Inc. Our response is as follows:

The interest Quinoco Petroleum, Inc. held in leases SL-071172, U-05010, and U-38838-A was transferred to Roemer Oil Company effective December 1, 1990.

The interest held by Quinoco in leases U-38030, U-38033, and U-38842 is held by Quinoco Consolidated Partners, L.P., not Quinoco Petroleum, Inc. Please note that a decision recognizing that Quinoco Consolidated Partners, L.P. has changed its name to Hallwood Consolidated Partners, L.P. is currently being processed.

As for communitization agreements CR222 and CR176, our computer records show Omimex as the operator of CR222 and Hallwood as the operator of CR176.

Bureau of Land Management
Utah State Office
P. O. Box 45155
Salt Lake City, Utah 84145-0153

3100
U-10152-A,
et al.
(U-942)

AUG 6 1991

CERTIFIED MAIL--Return Receipt Requested

DECISION

Hallwood Consolidated Partners, L.P. : Oil and Gas Leases
P.O. Box 378111 : U-10152-A, et al.
Denver, CO 80237 :

Corporate Name Change Recognized

Acceptable evidence has been received by this office establishing that Quinoco Consolidated Partners, L.P. has changed its name to Hallwood Consolidated Partners, L.P. Accordingly, the surviving corporation is recognized as holding all interests in Federal oil and gas leases formerly held by Quinoco Consolidated Partners, L.P. A list of affected leases is enclosed. If other leases are affected by this name change, please notify this office immediately.

Bonding for Hallwood Consolidated Partners, L.P. is provided under nationwide bond No. B1729366 (BLM Bond No. MT0735).

/s/ ROBERT LOPEZ
Chief, Minerals
Adjudication Section

Enclosure
List of Affected Leases

cc: All District Offices, Utah
Accounts
MMS, AFS
U-920 (Attn: Teresa Thompson)

WJ EHK

LIST OF AFFECTED LEASES

U-10152-A
U-13371
U-13666
U-17455
U-25189
U-29641

U-30301
U-38030 -✓
U-38033 -✓
U-38842 -✓
U-39254
U-41374
U-62844

Hallwood Energy Companies

4582 South Ulster Street Parkway • Stanford Place III • Suite 1700 • Post Office Box 378111
Denver, Colorado 80237 • (303) 850-7373

March 8, 1991

State of Utah
Division of Gas & Mining
160 East Third Street
Salt Lake City, Utah 84134-0410

REC'D U.S.T.C. 210
MAR - 8 1991

Re: Utah A/C #N9477

Quinoco Petroleum, Inc. has changed its name to Hallwood Petroleum, Inc. Our offices have remained at 4582 South Ulster Street Parkway, Suite 1700, P. O. Box 378111, Denver, Colorado 80237.

I have enclosed documentation for our name change for your convenience. If you require further information please call me at (303) 856-6229.

Sincerely,

HALLWOOD PETROLEUM, INC.

Carol Edney

Carol Edney
Staff Accountant
Western District

CE/#9.set

cc: Brenda Tompkins

RECEIVED

MAR 22 1991

DIVISION OF
OIL GAS & MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• QUINOCO CO.
P O BOX 378111
DENVER CO 80237
ATTN: HOLLY RICHARDSON

Utah Account No. N9477

Report Period (Month/Year) 7 / 91

Amended Report ☐

Well Name	Producing Zone	Days Oper	Production Volume	Gas (MSCF)	Water (BBL)
API Number	Entity	Location	Oil (BBL)		
TESTBIT U 1	WSTC✓		U-05010	*	
301915047 05215 16S 25E 10	WSTC✓		U-05010		
TESTBIT 2	WSTC✓		U-05010		
301915048 05220 16S 25E 9	WSTC✓		U-05010		
FEDERAL 6-14	DKTA✓		U-38842		
301930462 06525 17S 25E 6	DKTA✓		U-38842		
FOGLE USA 14-4	DK-MR✓		SL-071172		
301930507 06535 17S 24E 14	DK-MR✓		SL-071172		
FEDERAL 6-7	DKTA✓		U-38842		
301930516 06540 17S 25E 6	DKTA✓		U-38842		
STATE 2-14	CDMTN✓		ML-27489		
301930571 06560 17S 24E 2	CDMTN✓		ML-27489		
STATE 2-7	DKTA✓		ML-37489	*	
301930604 06565 17S 24E 2	DKTA✓		ML-37489	*	
STATE 36-14	DKTA✓		ML-33908	*	
301930605 06570 16S 24E 36	DKTA✓		ML-33908	*	
REINAUER 1-5	DKTA✓		U-38838A	*	
301930697 06575 17S 24E 1	DKTA✓		U-38838A	*	
FOGLE 11-12L 1	DKTA✓		SL-071172	*	
301930701 06580 17S 24E 11	DKTA✓		SL-071172	*	
EDWARDS USA 12-2	DKTA✓		U-38030		
301930702 06585 17S 24E 12	DKTA✓		U-38030		
CALVINGO 31-12	DKTA✓		U-13031	(910904 Still Quinoco CR92 "C.A.")	
301930704 06595 16S 25E 31	DKTA✓		U-13031		
REINAUER 1-14	DKTA✓		U-38838A	*	
301930733 06600 17S 24E 1	DKTA✓		U-38838A	*	
TOTAL					

Comments (attach separate sheet if necessary) *Operator name from Quinoco to Hallwood Petroleum, Inc.
eff. 7-18-91. (910904 St. Lands / Becky awaiting additional documentation.)

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____

Telephone _____

* see op. chg.
Hallwood to Northstar
eff 8-1-91.

PLEASE COMPLETE FORMS IN BLACK INK

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Hallwood Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 378111 Denver, CO 80237		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, ST, CR, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH
		13. STATE

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETION

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

☐

(Other)

☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective 8/1/90 Quinoco Petroleum, Inc. operator #N9477 changed it's name to Hallwood Petroleum, Inc. The wells effected by this change are:

Well Name	Federal Lease #	Utah #
- Dietler State 2-14 42-019-30571	N/A - Sec. 2, T. 17S, R. 24E	06560
- Edwards 12-2 42-019-30702	UTU38030 Sec. 2, T. 17S, R. 24E	06585
- Federal 6-7 42-019-30516	UTU38842 Sec. 6, T. 17S, R. 25E	06540
- Federal 6-14 42-019-30462	UTU38842 Sec. 6, T. 17S, R. 25E	06525
- Federal 7-4 42-019-30517	UTU38033 Sec. 7, T. 17S, R. 25E	06550
- Hogle USA 14-4 42-019-30507	UTSL071172 Sec. 14, T. 17S, R. 24E	06535
- State 16-4 42-019-30433	N/A Sec. 16, T. 16S, R. 26E	06620
- Tenneco USA 12-9 42-019-30748	U41374 Sec. 12, T. 17S, R. 24E	06605
- Wesbit 2 42-019-15048	UTU17942 Sec. 9, T. 16S, R. 25E	05220
- Wintercamp 7-14 42-019-30773	UTU38033 Sec. 7, T. 17S, R. 25E	06610

RECEIVED

AUG 19 1991

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Debi Sheely
Debi Sheely

TITLE Sr. Engineering Technician

DATE 8/16/91

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

received by the division regarding this change.
When completed. Write N/A if item is not applicable.

(well sold)
operator

☐ Designation of Agent

~~XXX~~ Operator Name Change Only "MERGER"

1- LCR	<input checked="" type="checkbox"/>
2- DES	<input checked="" type="checkbox"/>
3- VLC	<input checked="" type="checkbox"/>
4- RJF	<input checked="" type="checkbox"/>
5- RWM	<input checked="" type="checkbox"/>
6- LCR	<input checked="" type="checkbox"/>

One well(s) listed below has changed (EFFECTIVE DATE: 7-18-91)

0 (new operator) HALLWOOD PETROLEUM, INC.
(address) P. O. BOX 378111
DENVER, CO 80237
DEBI SHEELY
phone (303) 850-6322
account no. N 5100 (3-5-91)

FROM (former operator) QUINOCO CO.
(address) P. O. BOX 378111
DENVER, CO 80237
DEBI SHEELY
phone (303) 850-6322
account no. N 9477

Well(s) (attach additional page if needed):

*Also see Hallwood to Northstar
oper. chg. eff 8-1-91*

Name: <u>(SEE ATTACHMENT)</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 2 (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*same*)
- 3 The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #110236.
- 4 (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (*9-6-91*)
- 6 Cardex file has been updated for each well listed above. (*9-6-91*)
- 7 Well file labels have been updated for each well listed above. (*9-6-91*)
- 8 Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (*9-6-91*)
- 9 A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

D VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

STATE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
12/91 notification sent to Ed Danner for State 2-14 (43-019-30571) and State 16-4 (43-019-30433).
2. Copies of documents have been sent to State Lands for changes involving State leases.
** See Hallwood to Northstar oper. chg. CH 8-1-91*

MICROFILMING

1. All attachments to this form have been microfilmed. Date: Sept 16 1991.

INDEXING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

910904 Btm/MOAB Confirmed change of operator "merger" from Quinceo to Hallwood. All wells except for 43-019-30704 / Calvino 31-12 "CR92 C.A." which is still considered Quinceo.

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

July 27, 1992

State of Utah
Dept. of Natural Resources
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

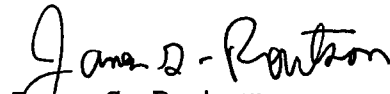
Re: Change of Operator
Sundry Notices
Grand County, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for ten wells on which Lone Mountain Production Company is assuming operations effective August 1, 1992. The wells were all previously operated by Hallwood Petroleum. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company


James G. Routson
President

Enclosures

xc: Joe Dyk
Hallwood

RECEIVED

JUL 29 1992

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Hallwood Petroleum, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 378111 Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

14. PERMIT NO.

43-019-30462

15. ELEVATIONS (Show whether OF, RT, GR, etc.)

UTU38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

6-14

10. FIELD AND POOL, OR WILDCAT

San Arroya

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA

Section 6 T17S R25E

12. COUNTY OR PARISH 13. STATE

Grand

UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Change of Operator

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 8/1/92 Hallwood Petroleum, Inc. is turning over all interest and operations of this well to:

Lone Mountain Production Company
P.O. Box 3394
Billings, MT 59103-3394

RECEIVED

JUL 29 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Debi Shuley

TITLE Sr. Engineering Technician

DATE 7/27/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions re-
verse side)

Budget Bureau No. 1001-011
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-38842

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
Lone Mountain Production Company

3. ADDRESS OF OPERATOR
P. O. Box 3394, 404 Petroleum Building, Billings, MT. 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1161' FSL, 2382' FWL, Sec. 6

14. PERMIT NO.
43-019-30462

15. ELEVATIONS (Show whether DP, RT, OR, etc.)
5757 GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
No. 6-14

10. FIELD AND POOL, OR WILDCAT
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE SW Sec. 6: T17S-R25E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) change of operator <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Lone Mountain Production Company will become operator of the above referenced well effective August 1, 1992. The well was formerly operated by Hallwood Petroleum.

RECEIVED

JUL 29 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

James G. Routson
James G. Routson

TITLE **President**

DATE **July 27, 1992**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

GREAT WESTERN ONSHORE INC
UTU28275

1-4

P+A

18S

18E

4 NESW

430193019800S1

H W DOUGHERTY COMPANY
UTU03901

2

PGW

17S

RECEIVED

5 SESE

430191570000S1

UTU013696

1-B

GSI

17S

1-A

PGW

17S

24E AUG 10 1992

8 SWNW

430191569800S1

8 SWNW

430191569700S1

HADDEN-HARRISON JOINT VENTURE
UTU7945

1

PGW

20S

23E

DIVISION OF
OIL GAS & MINING

13 SWSW

430193037800S1

HALLWOOD CONSOLIDATED PART LP
UTU38842*HAL

6-7

PGW

17S

25E

6 SWNE

430193051600S1

6-14

PGW

17S

25E

6 SESW

430193046200S1

UTU38033*HAL

7-14

PGW

17S

25E

7 SESW

430193077300S1

7-4

PGW

17S

25E

7 SWNW

430193051700S1

UTU38030

12-2

PGW

17S

24E

12 NWNE

430193070200S1

HALLWOOD PETROLEUM INC
UTU17942

2

PGW

16S

25E

9 SESW

430191504800S1

* CR176

12-9

PGW

17S

24E

12 NESE

430193074800S1

HANCOCK BURTON W
UTU683

4-11

PGW

17S

25E

4 NESW

430193101200S1

UTU4402

27-9

ABD

17S

25E

27 NESE

430193101400X1

UTU31792

13-13

PGW

17S

25E

13 SESW

430193041200S1

UTU05081

1

P+A

17S

25E

21 NENW

430191548100X1

20-1

GSI

17S

25E

20 NENE

430193102100S1

UTU05079*HAN

11

PGW

17S

25E

4 NWNW

430193101100S1

UTU05003*HAN

35

PGW

17S

25E

17 NWSE

430193022400S1

UTU04984*HAN

8-3

PGW

17S

25E

8 NENW

430193101300S1

UTU04955

20-R

PGW

17S

25E

* Wrote a letter to L&H Inc
telling them they had
submitted form to USO
Successor of CH Operat
8/4/92

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing	
1- LCR 7- LCR	
2- DES TS	
3- VLC	
4- RJF	
5- RWM	
6- ADA	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-92)

TO (new operator)	<u>LONE MTN PRODUCTION CO.</u>	FROM (former operator)	<u>HALLWOOD PETROLEUM INC.</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>PO BOX 378111</u>
	<u>BILLINGS, MT 59103</u>		<u>DENVER, CO 80237</u>
	<u>JAMES ROUTSON, PRES.</u>		<u>DEBI SHEELY</u>
phone (<u>406</u>)	<u>245-5077</u>	phone (<u>303</u>)	<u>850-6322</u>
account no. <u>N 7210</u>		account no. <u>N 5100</u>	

Well(s) (attach additional page if needed):

Name: <u>WESTBIT 2/WSTC</u>	API: <u>43-019-15048</u>	Entity: <u>5220</u>	Sec <u>9</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U-05010</u>
Name: <u>STATE 16-4/DKTA</u>	API: <u>43-019-30433</u>	Entity: <u>6620</u>	Sec <u>16</u> Twp <u>16S</u> Rng <u>26E</u>	Lease Type: <u>ML-29608</u>
Name: <u>FEDERAL 6-14/DKTA</u>	API: <u>43-019-30462</u>	Entity: <u>6525</u>	Sec <u>6</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38842</u>
Name: <u>HOGLE USA 14-4/DK-MR</u>	API: <u>43-019-30507</u>	Entity: <u>6535</u>	Sec <u>14</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type: <u>SL-07117</u>
Name: <u>FEDERAL 6-7/DKTA & MRSN</u>	API: <u>43-019-30516</u>	Entity: <u>6540</u>	Sec <u>6</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38842</u>
Name: <u>FEDERAL 7-4/MRSN</u>	API: <u>43-019-30517</u>	Entity: <u>6650</u>	Sec <u>7</u> Twp <u>17S</u> Rng <u>25E</u>	Lease Type: <u>U-38033</u>
Name: <u>STATE 2-14/CDMTN</u>	API: <u>43-019-30571</u>	Entity: <u>6560</u>	Sec <u>2</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type: <u>ML-27489</u>

CONTINUED-

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-29-92)
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 7-29-92)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) If yes, show company file number: .
- 4 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-25-92)
- 6 6. Cardex file has been updated for each well listed above. (8-25-92)
- 7 7. Well file labels have been updated for each well listed above. (8-25-92)
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-25-92)
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ☒ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ☒ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- ☒ 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- ☒ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ☒ 2. A copy of this form has been placed in the new and former operators' bond files.
- ☒ 3. The former operator has requested a release of liability from their bond (yes/no) ☒. Today's date 8-27-92 1992. If yes, division response was made by letter dated 8-27-92 1992.

EASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- ☒ 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8-27-92 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ☒ 2. Copies of documents have been sent to State Lands for changes involving State leases. 8-27-92 to Ed Bonner

FILMING

- ☒ 1. All attachments to this form have been microfilmed. Date: Sept 9, 1992 1992.

FILING

- ☒ 1. Copies of all attachments to this form have been filed in each well file.
- ☒ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

Btm/moab Approved eff. 8-1-92.